| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|----------|-------|--|--------------------------------------|---------------------|---------|------------------|
| L7 | 7 | contact with (gaas near3 rough\$4) | US-PGPUB; USPAT; USOCR; JPO | OR | ON | 2005/06/28 08:49 |
| L8 | . 84 | (gaas near3 rough\$4) | US-PGPUB; USPAT; USOCR; JPO | OR | ON | 2005/06/28 09:09 |
| L9 | 77 | L8 not L7 | US-PGPUB; USPAT; USOCR; JPO | OR | ON | 2005/06/28 08:50 |
| L10 | 154 | (gaas with (surface near3 rough\$4)) | US-PGPUB; USPAT; USOCR; JPO | OR | ON | 2005/06/28 09:09 |
| S1 | 11767 | 372/43-46.ccls. | US-PGPUB; USPAT; USOCR; JPO | OR | ON | 2005/06/27 09:13 |
| S2 | 657 | S1 and (vcsel or "vertical cavity surface emitting layer") | US-PGPUB; USPAT; USOCR; JPO | OR | ON | 2005/06/27 09:14 |
| S3 | 190 | S2 and (current near3 confin\$3) | US-PGPUB; USPAT; USOCR; JPO | OR | ON | 2005/06/27 09:19 |
| S4 | 12 | S2 and (surface near3 roughness) | US-PGPUB; USPAT; USOCR; JPO | OR | ON | 2005/06/27 09:24 |
| S5 | 20 | S2 and (roughness) | US-PGPUB; USPAT; USOCR; JPO | OR | ON | 2005/06/27 09:24 |
| S6 | . 8 | S5 not S4 | US-PGPUB; USPAT; USOCR; JPO | OR | ON | 2005/06/27 11:39 |
| S7 | | ("6529541").PN. | US-PGPUB; USPAT; USOCR; JPO | OR | OFF | 2005/06/27 11:49 |
| S8 | 495 | "372".clas. and (electrode with plasma) | US-PGPUB; USPAT; USOCR; JPO | OR | ON | 2005/06/27 11:58 |

| S9 | 12 | S8 and ("lift-off" or "lift off") | US-PGPUB; USPAT; USOCR; JPO | OR | ON | 2005/06/27 12:49 |
|-----|-----|---|--------------------------------------|------|-----|------------------|
| S10 | 589 | "372".clas. and (surface near3 rough\$4) | US-PGPUB; USPAT; USOCR; JPO | OR | ON | 2005/06/27 15:55 |
| S11 | 19 | "372".clas. and ((surface near3 rough\$4) with electrode) | US-PGPUB; USPAT; USOCR; JPO | OR | ON | 2005/06/27 12:52 |
| S12 | 0 | (2002/0024980).CCLS. | US-PGPUB; USPAT; USOCR; JPO | OR . | OFF | 2005/06/27 13:53 |
| S13 | 0 | (2002/0026980).CCLS. | US-PGPUB; USPAT; USOCR; JPO | OR | OFF | 2005/06/27 13:53 |
| S14 | 1 | ("6519271").PN. | US-PGPUB; USPAT; USOCR; JPO | OR | OFF | 2005/06/27 13:53 |
| S15 | 1 | ("20020024980").PN. | US-PGPUB; USPAT; USOCR; JPO | OR | OFF | 2005/06/27 13:53 |
| S16 | 24 | "372".clas. and (contact near3 rough\$4) | US-PGPUB; USPAT; USOCR; JPO | OR | ON | 2005/06/27 16:01 |
| S17 | 83 | "372".clas. and (contact with rough\$4) | US-PGPUB; USPAT; USOCR; JPO | OR | ON | 2005/06/27 16:41 |
| S18 | 59 | S17 not S16 | US-PGPUB; USPAT; USOCR; JPO | OR | ON | 2005/06/27 16:01 |
| S19 | 103 | "372".clas. and (contact with smooth\$4) | US-PGPUB; USPAT; USOCR; JPO | OR | ON | 2005/06/27 16:38 |
| S20 | 40 | "372".clas. and (gaas with rough\$4) | US-PGPUB; USPAT; USOCR; JPO | OR | ON | 2005/06/27 16:42 |
| S21 | 2 | ("20030122134" "5762705").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/06/27 16:43 |